

Technical Soil Descriptions

Technical soil descriptions describe the characteristics or properties (physical and chemical) of the soil including the parent material in which it formed. A pedon, a small three-dimensional area of the soil, serves as the reference point for the technical or soil series description. The soil description compares the soil to similar and other nearby soils and also includes a range of important characteristics. The detailed description method follows standards outlined in the Soil Survey Manual and many of the technical terms used in the description are defined in Soil Taxonomy.

Counties with Published Soil Surveys

Technical soil descriptions are located in the county soil survey descriptive legend.

Counties without Published Soil Surveys

Technical soil descriptions can be found in adjacent county published soil survey descriptive legends or at our [Official Soil Series Description](#) web site.

This section includes:

- **(a) Classification of the soils**

Newton County, Missouri
Classification of the Soils

(An asterisk in the first column indicates a taxadjunct to the series. See text for a description of those characteristics that are outside the range of the series.)

Soil name	Family or higher taxonomic class
Bado-----	Fine, mixed, mesic Typic Fragiaqualfs
*Bolivar-----	Fine-loamy, mixed, thermic Ultic Hapludalfs
Captina-----	Fine-silty, siliceous, mesic Typic Fragiudults
Carytown-----	Fine, mixed, thermic Albic Natraqualfs
Cedargap-----	Loamy-skeletal, mixed, superactive, mesic Cumulic Hapludolls
Claiborne-----	Fine-loamy, siliceous, mesic Typic Paleudults
Clarksville-----	Loamy-skeletal, siliceous, semiactive, mesic Typic Paleudults
Credon-----	Fine, mixed, active, mesic Oxyaquic Fragiudalfs
Dunning-----	Fine, mixed, mesic Fluvaquentic Endoaquolls
Eldorado-----	Loamy-skeletal, mixed, thermic Typic Paleudolls
Gerald-----	Fine, mixed, mesic Umbric Fragiaqualfs
Hepler-----	Fine-silty, mixed, thermic Mollic Endoaqualfs
*Hoberg-----	Fine-loamy, siliceous, mesic Mollic Fragiudalfs
Huntington-----	Fine-silty, mixed, mesic Fluventic Hapludolls
*Keeno-----	Loamy-skeletal, siliceous, active, mesic Oxyaquic Fragiudalfs
Needleye-----	Fine-silty, mixed, mesic Aquic Fragiudults
Newtonia-----	Fine-silty, mixed, thermic Typic Paleudolls
*Nixa-----	Loamy-skeletal, siliceous, mesic Glossic Fragiudults
Orthents-----	Orthents
Peridge-----	Fine-silty, mixed, mesic Typic Paleudalfs
Secesh-----	Fine-loamy, siliceous, mesic Ultic Hapludalfs
*Tonti-----	Fine-loamy, mixed, active, mesic Typic Fragiudults
Waben-----	Loamy-skeletal, siliceous, active, mesic Ultic Hapludalfs
WANDA-----	Fine-loamy, mixed, active, mesic Typic Paleudolls